

Interoperability Opportunities

Jim Augins

ADSI

9/2/98

Interoperability Benefits

- Customer Satisfaction
 - Simplify efforts to discover, access and secure
 - Avoid incompatibilities
- Ease of use
 - Labor cost saving
 - Minimize duplication
 - Standard interfaces
- Coordinated capability / Cooperation

Interoperability Scope

- MSRR / CMSRR
 - DMSO Nodes
 - Service Nodes
 - Other Nodes
- FUNCTIONALITY
 - Discovery
 - Content based search
 - Registration
 - Catalogs
 - Access / Delivery
 - Collaboration
 - Security
- POLICY
- INTERFACE

Registration – User

- One stop registration
- Forwarding of registration profile
- Common subset of registration data
- Reciprocity of user registration
- Common username across MSRR's & M&S Repositories (username synchronization)
- Mechanism for approving inter-service/agency registration
- Record keeping standards, archiving
- Common legal caveats, usage constraints

Registration –Resource

- Forwarding of registration data set
- Common subset of registration data
- Reciprocity of resource registration
- Common resource type nomenclature
- Link quality monitoring(hyperlinks) - access
- Common resource quality profile (mini subset)
- Record keeping standards, archiving policies
- Reciprocity of PAO approvals
- Common legal caveats, usage constraints

Registration - Site

- Configuration Requirements for interoperability
- Common Policies and Procedures
 - Security Issues
 - Currency Issues
- Physical Security
- Distribution of Security S/W Components

Search

- Standard policies/procedures wrt requesting & granting rights to index protected areas
- Standard mechanism for automating indexing access security
- Avoidance of duplication of indexing (cost\$)
- One stop search across all M&S Repositories
- Minimize licensing costs
- Standard keywords and definitions
- Common Meta-data subsets
- Common MIME types (non standard)
- Common Meta-tag Scheme

Security

- Central Certificate Authority
- Common security policy/profile
 - Standard MOU/MOAs
 - Common security environments(SSL level)
 - Common policy (applets, Active X, Meta-tags)
 - Common virus checking standards
 - Common access constraints
 - Common policy for reuse/redistribution of protected resources
 - Common approach to signed documents

Security(cont.)

- Seamless navigation
 - Common username and password
 - Common password standards
 - Username deconfliction
 - Management of user access groups
 - Group access name deconfliction
- Transfer resource Meta-data & search index files to CMSRR
- Dial-in access to SIPRNET MSRR nodes

Collaboration

- Common one stop shopping (database access, user interface, security, mechanisms)
- Common MIME types
- Common meta-tags keywords (registry)
- Common browsers
- Plug-in library
- Net Meeting
- Channels standards
- Audio/video standards